



State of Utah

Department of
Environmental Quality

Dianne R. Nielson, Ph.D.
Executive Director

DIVISION OF AIR QUALITY
Richard W. Sprott
Director

JON M. HUNTSMAN, JR.
Governor

GARY HERBERT
Lieutenant Governor

DAQE-IN0121175-06

September 18, 2006

William R. James
Hill Air Force Base
OO-ALCM/EMC
7274 Wardleigh Road
Hill Air Force Base, Utah 84056

Dear Mr. James:

Re: Intent to Approve: Modification to Approval Order DAQE-AN0121132-03 to Remove
Monitoring, Recordkeeping Reporting, Davis County – CDS A; NO_x and CO Major PSD;
NESHAPS; NSPT; HAPs; TITLE V MAJOR Project Code: N0121-175

The attached document is the Intent to Approve (ITA) for the above-referenced project. ITAs are subject to public review. Any comments received shall be considered before an Approval Order is issued.

Future correspondence on this Intent to Approve should include the engineer's name as well as the DAQE number as shown on the upper right-hand corner of this letter. Please direct any technical questions you may have on this project to Mr. Tad Anderson. He may be reached at (801) 536-4456.

Sincerely,

Rusty Ruby, Manager
New Source Review Section

RR:TA:kw

cc: Davis County Health Department

Mike Owens, EPA Region VIII

STATE OF UTAH

Department of Environmental Quality

Division of Air Quality

**INTENT TO APPROVE: Modification to Approval
Order DAQE-AN0121132-03 to Remove Monitoring,
Recordkeeping Records**

**Prepared By: Tad Anderson, Engineer
(801) 536-4456
Email: tdanderson@utah.gov**

INTENT TO APPROVE NUMBER

DAQE-IN0121175-06

Date: September 18, 2006

Hill Air Force Base

**Source Contact
Glenn Palmer
(801) 775-6918**

**Richard W. Sprott
Executive Secretary
Utah Air Quality Board**

Abstract

Hill Air Force Base (HAFB) has requested to remove Monitoring, Recordkeeping and Reporting from the existing Emergency and Limited Use Power Supply Approval Order (AO) DAQE-AN0121132-03. The existing AO has HAFB tracking temperature readings and the number of tests conducted per year. New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAPs) apply at Hill AFB. This action will result in a modification to the existing Title V Permit. There is no change to limits, emissions or equipment but a public comment is required. The emissions will remain as follows: 3.06 tons per year (tpy) of PM₁₀, 2.85 tpy of SO_x, 42.89 tpy of NO_x, 9.27 tpy of CO, 3.44 tpy of VOC and 0.64 tpy of Aldehydes (HAP).

The Notice of Intent (NOI) for the above-referenced project has been evaluated and has been found to be consistent with the requirements of the Utah Administrative Code Rule 307 (UAC R307). Air pollution producing sources and/or their air control facilities may not be constructed, installed, established, or modified prior to the issuance of an Approval Order (AO) by the Executive Secretary of the Utah Air Quality Board.

A 30-day public comment period will be held in accordance with UAC R307-401-7. A notice of intent to approve will be published in the Salt Lake Tribune and Deseret News on September 22, 2006. During the public comment period the proposal and the evaluation of its impact on air quality will be available for both you and the public to review and comment. If anyone so requests a public hearing it will be held in accordance with UAC R307-401-7. The hearing will be held as close as practicable to the location of the source. Any comments received during the public comment period and the hearing will be evaluated.

Please review the proposed AO conditions during this period and make any comments you may have. The proposed conditions of the AO may be changed as a result of the comments received. Unless changed, the AO will be based upon the following conditions:

General Conditions:

This AO is issued and applies to the following :

<u>Name of Permittee:</u>	<u>Permitted Location:</u>
Hill Air Force Base	Main Base
OO-ALC/EM	OO-ALC/EM
7274 Wardleigh Road	7274 Wardleigh Road
HAFB, Utah 84056-5990	HAFB, Utah 84056-5990

UTM Coordinates : Main Base (4,551,975 meters Northing, 416,588 meters Easting)
Datum NAD 1927 Zone 12

SIC Code: 9711

Section I: GENERAL PROVISIONS

- I.A. All definitions, terms, abbreviations, and references used in this AO conform to those used in the Utah Administrative Code (UAC) Rule 307 (R307) and Title 40 of the Code of Federal Regulations (40 CFR). Unless noted otherwise, references cited in these AO conditions refer to those rules.
- I.B. The limits set forth in this AO shall not be exceeded without prior approval in accordance with R307-401.

- I.C. Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved in accordance with R307-401.
- I.D. All records referenced in this AO or in applicable NSPS and/or NESHAP and/or MACT standards, which are required to be kept by the owner/operator, shall be made available to the Executive Secretary or Executive Secretary's representative upon request. Records shall be kept for the following minimum periods:

Emission inventories	Five years from the due date of each emission statement or until the next inventory is due, whichever is longer.
All other records	Five years
- I.E. At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this Approval Order, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on the information available to the Executive Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on the equipment authorized by this AO shall be recorded.
- I.F. The owner/operator shall comply with R307-150, UAC. This rule addresses emission inventory reporting requirements.
- I.G. The owner/operator shall comply with R307-107. General Requirements: Unavoidable Breakdowns.
- I.H. This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations.
- I.I. This Approval Order (AO) shall replace AO DAQE-AN0121132-03, dated November 21, 2003

Section II: SPECIAL PROVISIONS

- II.A The provisions of this approval order apply to all limited use power supply units rated at greater than 11 kW and less than or equal to 1700 kW used to provide mechanical or electric power. Limited use power supply units that provide mechanical or electric power during emergency situations including: primary electric or mechanical power interruptions, fires, malfunctioning aircraft landings, or other situations approved by the Executive Secretary. Limited use power supply units are subject to this permit and shall maintain all monitoring, record keeping and reporting requirements described therein.

Limitations

- II.B Visible emissions from any limited use power supply unit shall not exceed 20 percent opacity except for a period not exceeding 3 minutes in any hour.

- II.C Hill shall not exceed 8,670 combined hours of maintenance-related operations per rolling 12-month period for all the limited use power supply units. No single limited use power supply unit shall exceed 500 hours of maintenance-related operation per rolling 12-month period.
- II.D Sulfur content of the diesel fuels combusted shall be no greater than 0.5 percent by weight.
- II.E Flexibility Provisions - HAFB is allowed to add or modify any limited use power supply units, provided that each of the following conditions is met:
1. The proposed addition or modification does not cause an increase in the currently established base-wide 8,670 maintenance hours per rolling 12 month period combined.
 2. The new or modified installation or piece of equipment must be properly operated and maintained. If new BACT for this type of process is established, DAQ has the right to re-open this permit to change BACT for this process accordingly.

The Division of Air Quality is authorized to charge a fee for reimbursement of the actual costs incurred in the issuance of an AO. An invoice will follow upon issuance of the final Approval Order.

Sincerely,

Rusty Ruby, Manager
New Source Review Section